

SURVEY OF AIR SAMPLING MEDIA AND SAMPLING METHODS

USED AT A.E.C. AREAS AND BY OTHERS

By W. J. Smith, A. D. Little, Inc.

At the A.E.C. Air Cleaning Conference held at Ames, Iowa, September 15-17, 1952, it was agreed that a survey should be made to assemble and summarize information on air sampling media and sampling methods used by groups doing air assay work. This survey was to include both A.E.C. areas and others.

The survey was conducted by questionnaire, and an excellent and highly cooperative response was received. A fund of information has resulted which should be of real value to all engaged in air cleaning and in the study of airborne particulate matter.

An effort has been made to show in a single chart all of the essential information supplied by the survey. A copy of the chart is inserted at end of report. For the most part it is self-explanatory.

Across the top of the sheet are given the laboratories and installations along with the media favored at each site. In some cases several media are used to meet different needs, and this fact is shown.

The side headings represent the various questions that were asked in the survey. Many of these required only a "yes" or "no" reply; others needed more detail. Where an essential piece of information was too lengthy to fit into the chart body, it is shown as a footnote.

QUESTIONNAIRES RECEIVED

<u>Organization or AEC Area</u>	<u>Location</u>	<u>Individual</u>
Air Sampling Equipment Company	Cleveland, Ohio	William L. Wilson
American Cyanamid Company Idaho Reactor Testing Sta. Chemical Processing Plant	Idaho	R. E. Hayden
Ames Area Office, AEC Iowa State College	Ames, Iowa	Allan P. Skoog (Dr.)
Argonne National Laboratory Radiological Physics Div.	Illinois	J. E. Rose
Battelle Memorial Institute	Columbus, Ohio	S. Chapman
Brookhaven National Laboratory Health Physics Division Depts. of Physics, Chemistry, Nuclear Engineering and Medecine	New York	Lee Gemmell
Brush Beryllium Co. Cleveland Plant	Cleveland, Ohio	F. R. Wolowicz
Luckey Plant	Luckey, Ohio	F. R. Wolowicz
Harshaw Chemical Company	Cleveland, Ohio	A. J. Stefanec
Vitro Manufacturing Co. Health and Safety Div.	-	E. A. McCabe
California, University of AEC Project Contract AT-04-1-GEN-12	Los Angeles, California	Robert J. Buettner
Radiation Laboratory	Los Angeles, California	M. D. Thaxter
California Research & De- velopment Company Livermore Research Lab.	California	R. C. Thorburn
Carbide and Carbon Chemicals Co. Paducah Plant	Paducah	R. C. Baker
Y-12 Area	-	Edward G. Struxness
K-25 Area, C & CCC	-	J. C. Bailey

DECLASSIFIED

<u>Organization or AEC Area</u>	<u>Location</u>	<u>Individual</u>
Chaney, Albert L. Laboratory	Los Angeles, California	Stanley R. Hall (Dr.)
Columbia University Central Aerosol Lab.	New York, New York	Prof. V. K. LeMer
Dept. of Chemical Eng.	New York, New York	Arthur Humphrey
Connecticut State Dept. of Health Bureau of Industrial Hygiene Industrial Hygiene Lab.	Connecticut	Allan L. Coleman
Dow Chemical Company Rocky Flats Plant	-	-
General Electric, ANP, Evendale	Evendale	J. A. Martin
Industrial Hygiene Foundation for America, Inc. Mellon Institute	Pittsburgh, Pennsylvania	W. C. L. Hemeon
Johns-Manville Research Center CWS Contract (not connected with AEC)	Manville, New Jersey	David Sinclair
Knolls Atomic Power Lab. Health and Safety Unit	-	L. J. Cherubin R. Z. Bouton
Los Alamos Scientific Lab. H-1 Radiological Monitoring Section of H Div. Santa Fe Operations Office	Los Alamos, New Mexico	Dean D. Meyer
	Los Alamos, New Mexico	H. F. Schulte Ed Hyatt
Massachusetts, Commonwealth of Mass. Dept. of Labor & Industries Division of Occupational Hygiene	Massachusetts	Hervey B. Elkins
Monsanto Chemical Co. Mound Laboratory	Miamisburg, Ohio	J. E. Bradley
National Bureau of Standards U.S. Dept. of Commerce Heating and Air Conditioning Section	Washington, D. C.	R. S. Dill
National Lead Company of Ohio Fernald Area	Ohio	R. C. Heatherton

0371228.1030

<u>Organization or AEC Area</u>	<u>Location</u>	<u>Individual</u>
National Reactor Testing Station U.S.A.E.C. Health Physics Division U.S. Weather Bureau Office	-	P. Griffiths C. W. Sill Paul A. Humphrey
North American Aviation, Inc. Atomic Energy Research Dept.	-	Alan A. Jarrett
Oak Ridge National Laboratory Health Physics Division	-	D.M. Davis
Phillips Petroleum Co. Materials Testing Reaction	Idaho Falls, Idaho	J.W. McCaslin
National Reactor Testing Station	-	-
Rochester, University of Atomic Energy Project	New York	Robert H. Wilson
Savannah River Plant duPont Health Physics Dept.	-	C.M. Patterson
Stanford Research Institute	Stanford, California	Konrad Semrau
Sylvania Electric Products, Inc.	Bayside & Hicksville, Long Island	Robert P. Gleason
Westinghouse Electric Corp. Atomic Power Division Industrial Hygiene	-	Paul R. Bolton

DECLASSIFIED